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Attorney Docket No. 16842-739 (PELM 4241C1)

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11/10/97**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application )

**PATENT APPLICATION**

Inventor(s): Woudenberg, et al. )

Group Art Unit: 1807

Application No.: 08/752,973 )

Examiner: K. HORLICK

Filed: December 2, 1996 )

Title: SYSTEM FOR REAL TIME  
DETECTION OF NUCLEIC ACID  
AMPLIFICATION PRODUCTS )

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GROUP 1800

**AMENDMENT IN SUPPLEMENTAL RESPONSE TO OFFICE ACTION**Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Applicants submit this Amendment in response to the Examiner's Office Action mailed June 30, 1997 and Applicants telephone interview with Examiner Horlick on September 23, 1997. Reconsideration is respectfully requested in view of the following amendments and remarks.

**AMENDMENTS**

Please amend the following claims.

13. (Amended) An apparatus for monitoring the formation of a nucleic acid amplification

reaction, product in real time, the apparatus comprising:

a sample holder for holding a sample of nucleic acids to be amplified;

a fiber optic cable for illuminating a volume of the sample with an excitation beam;

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